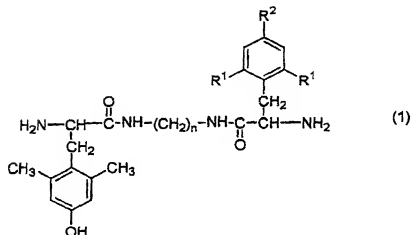


WHAT IS CLAIMED IS:

1. A peptide derivative represented by the following formula (1) or a salt thereof;



5            wherein  $R^1$  is hydrogen atom or methyl group,  $R^2$  is hydrogen atom or hydroxy group and  $n$  is an integer of 1 to 8, provided that  $R^1$  is hydrogen atom when  $R^2$  is hydrogen atom.

2. The peptide derivative represented by the formula  
 10 (1) or a salt thereof claimed in claim 1 wherein  $R^2$  is hydroxyl group.

3. The peptide derivative represented by the formula  
 (1) or a salt thereof claimed in claim 1 wherein  $R^1$  is methyl group.

15            4. The peptide derivative represented by the formula (1) or a salt thereof claimed in claim 1 wherein  $n$  is an integer of 4 to 6.

5. A pharmaceutical composition containing a peptide

20058192.012902

derivative represented by the formula (1) or a salt thereof claimed in claim 1 as an active ingredient.

5 6. A method for inhibiting or moderating pain comprising administering a peptide derivative represented by the formula (1) or a salt thereof claimed in claim 1 in an effective dosage to a patient having pain.

10 7. A method for inhibiting or moderating the pain comprising administering a peptide derivative represented by the formula (1) or one salt thereof claimed in claim 1 in an effective dosage to a patient having pain or suffering from nervous defect disease related to  $\mu$ -opioid receptor activation.

2062702.012902